

using a microfluidizer such as Model 110Y microfluidizer (Microfluidics, Newton, MA). For example, MTP-PE may be present in an amount of about 0-500 µg/dose, more preferably 0-250 µg/dose and most preferably, 0-100 µg/dose. MF59-0, therefore, refers to the above submicron oil-in-water emulsion lacking MTP-PE, while MF59-100 contains 100 µg MTP-PE per dose. MF69, another submicron oil-in-water emulsion for use herein, contains 4.3% w/v squalene, 0.25% w/v TWEEN 80®, and 0.75% w/v SPAN 85® an optionally MTP-PE. Yet another submicron oil-in-water emulsion is SAF, containing 10% squalene, 0.4% TWEEN 80®, 5% pluronic-blocked polymer L121, and thr-MDP, also microfluidized into a submicron emulsion. ~~Am~~

In the claims:

Please amend claims 1, 4, 6, 7 and 14 as follows:

1. (Amended) A composition comprising a submicron oil-in-water emulsion, and a selected antigen entrapped in, or adsorbed to, a biodegradable microparticle, wherein the antigen is an HIV antigen.

4. (Amended) The composition of claim 1, wherein the submicron oil-in-water emulsion comprises 4-5% w/v squalene, 0.25-0.5% w/v polyoxyethylene sorbitan monooleate, and 0.5% w/v sorbitan trioleate, and optionally, N-acetylmuramyl-L-alanyl-D-isoglutaminyl-L-alanine-2-(1'-2'-dipalmitoyl-*sn*-glycero-3-hydroxyphosphoryloxy)-ethylamine.

5. (Amended) The composition of claim 1, wherein the selected antigen is gp120.

6. (Amended) The composition of claim 1, wherein the selected antigen is p24gag.

9. (Amended) A method of inducing an immune response which comprises administering to a vertebrate subject (a) a submicron oil-in-water emulsion, and (b) a

38 therapeutically effective amount of a selected antigen entrapped in, or adsorbed to, a biodegradable microparticle.

Please cancel claims ~~5~~, ~~8~~, ~~11~~, ~~13~~, ~~17~~ and ~~27-30~~, without prejudice and without disclaimer, and add the following new claims:

31. (New) The composition of claim 1, wherein the submicron oil-in-water emulsion further comprises N-acetylmuramyl-L-alanyl-D-isoglutaminyl-L-alanine-2-(1'-2'-dipalmitoyl-*sn*-glycero-3-hydroxyphosphoryloxy)-ethylamine.

32. (New) The method of claim 1, wherein the submicron oil-in-water emulsion further comprises N-acetylmuramyl-L-alanyl-D-isoglutaminyl-L-alanine-2-(1'-2'-dipalmitoyl-*sn*-glycero-3-hydroxyphosphoryloxy)-ethylamine.--

Attached is a marked-up version of the changes made to the claims and specification by the current amendment. The attached page is captioned "Version with markings to show changes made."